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Dated: January 12, 2009  
Signed: Jennifer Black

PATENT  
Attorney Docket No.: 061818-5002-US04  
Client Ref. No.: 98-207-5

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

NICHOLAS L. ABBOTT, *et al.*

Application No.: 10/044,899

Filed: January 9, 2002

For: OPTICAL AMPLIFICATION OF  
MOLECULAR INTERACTIONS USING  
LIQUID CRYSTALS

Customer No.: 43850

Confirmation Number: 3817

Examiner: Lundgren, Jeffrey S.

Technology Center/Art Unit: 1639

**RESPONSE TO FINAL OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated July 10, 2008, please enter the following amendments and remarks. Because the USPTO was closed on Saturday, January 10, 2009, Applicants respectfully request the entry of this Response on the following Monday, January 12, 2009, according to 37 CFR § 1.7.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 18 of this paper.